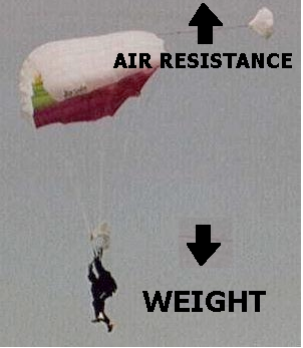
**Whirlybird Background Information**:



Air resistance is a force:

* It acts in the opposite direction to the direction you are traveling.
* It is caused by molecules of air colliding with an object making it slow down or eventually stop.
* It is also known as drag. ("What Is Air Resistance?")

The air resistance force on an object depends on a few factors; one of which is the **shape** of the object. The larger the object the more air (ﬂuids) it needs to move out of the way meaning it has **more air resistance**. That’s why race cars and jet planes are made streamlined. ("Air Resistance")

Air resistance acts against gravity for an object falling down. If an object moves left and right while falling then air resistance would be opposite, while as when it is moving straight down gravity will pull it down and air resistance will push it up. Also gravity is a stronger force than air resistance; that’s why everything that falls eventually hits the ﬂoor. Even when the object is at terminal velocity. **Terminal velocity** is when an object gets to a point where it does not accelerate anymore and for a short period of time air resistance is stronger than gravity. (University Today, "Air Resistance")

